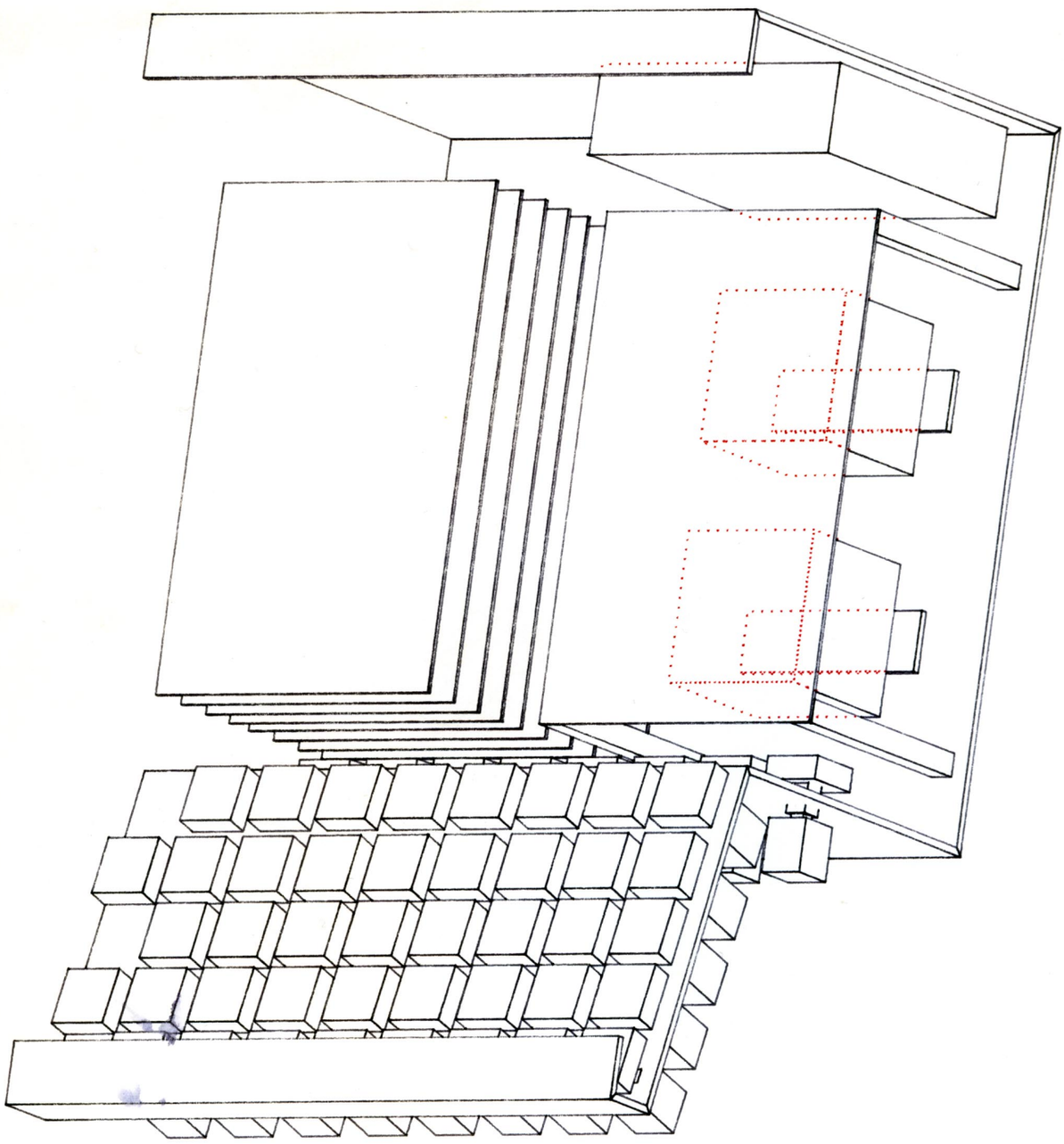

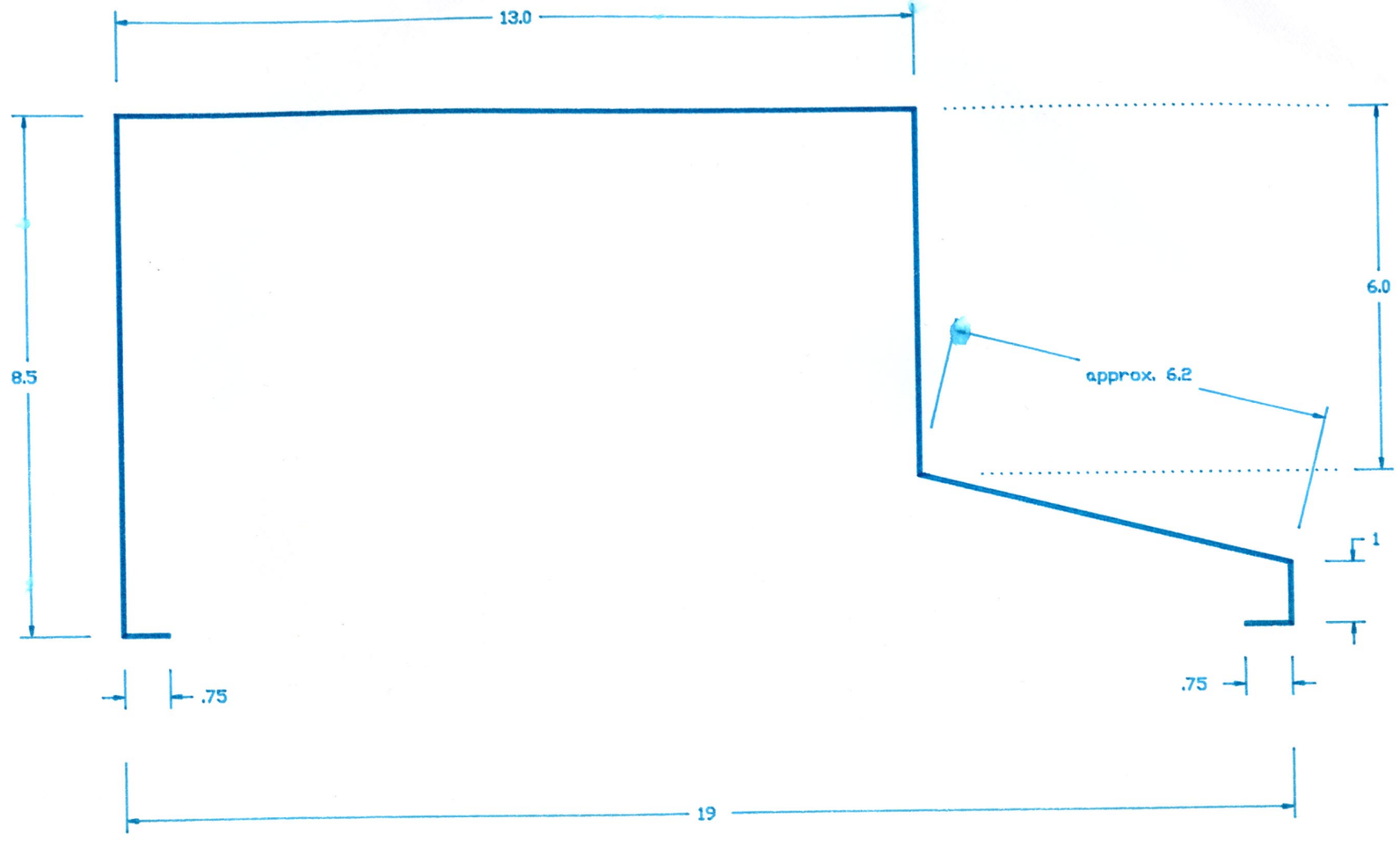

Material: 1/16 inch aluminum
All dimensions are in inches.

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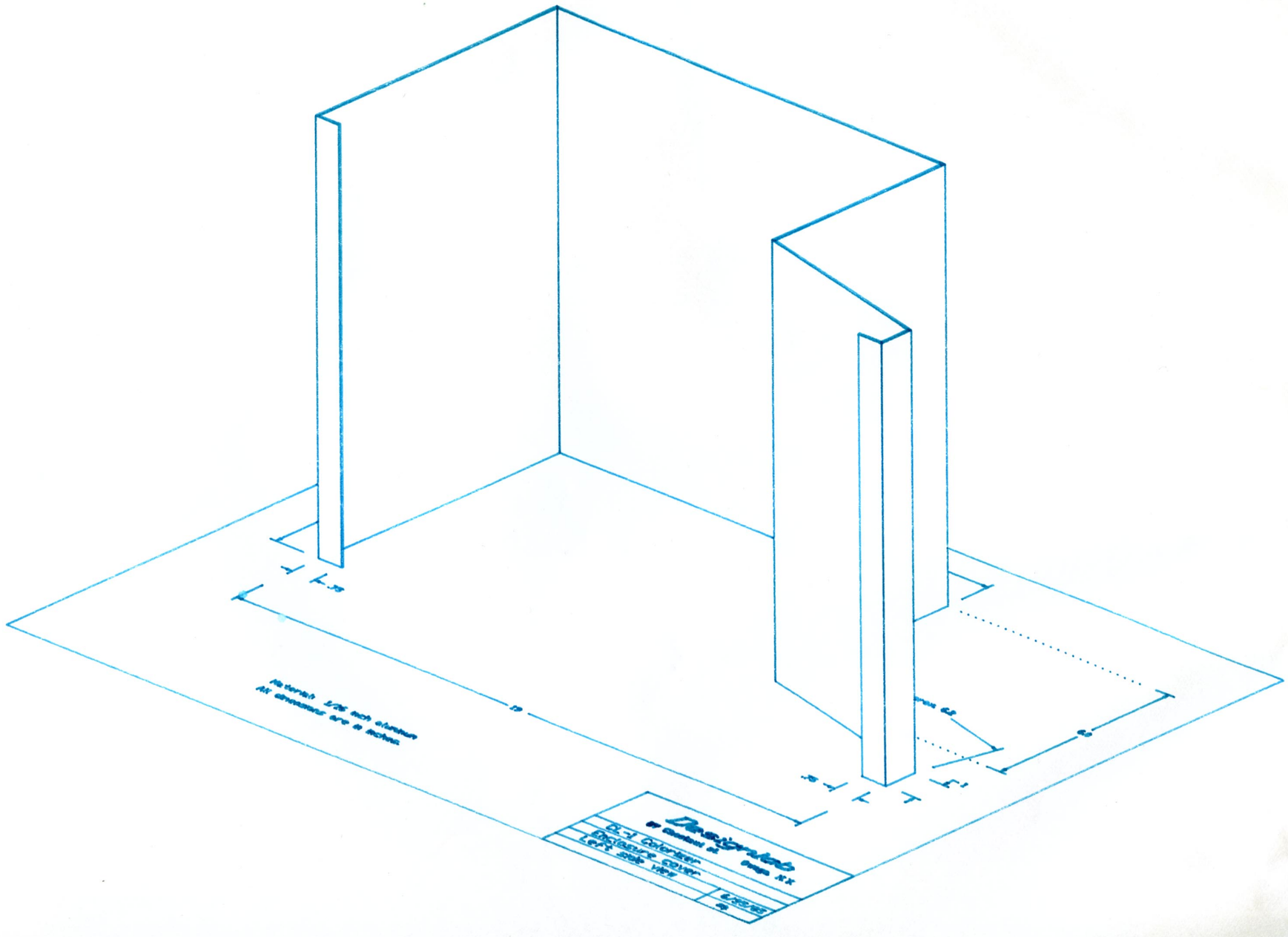
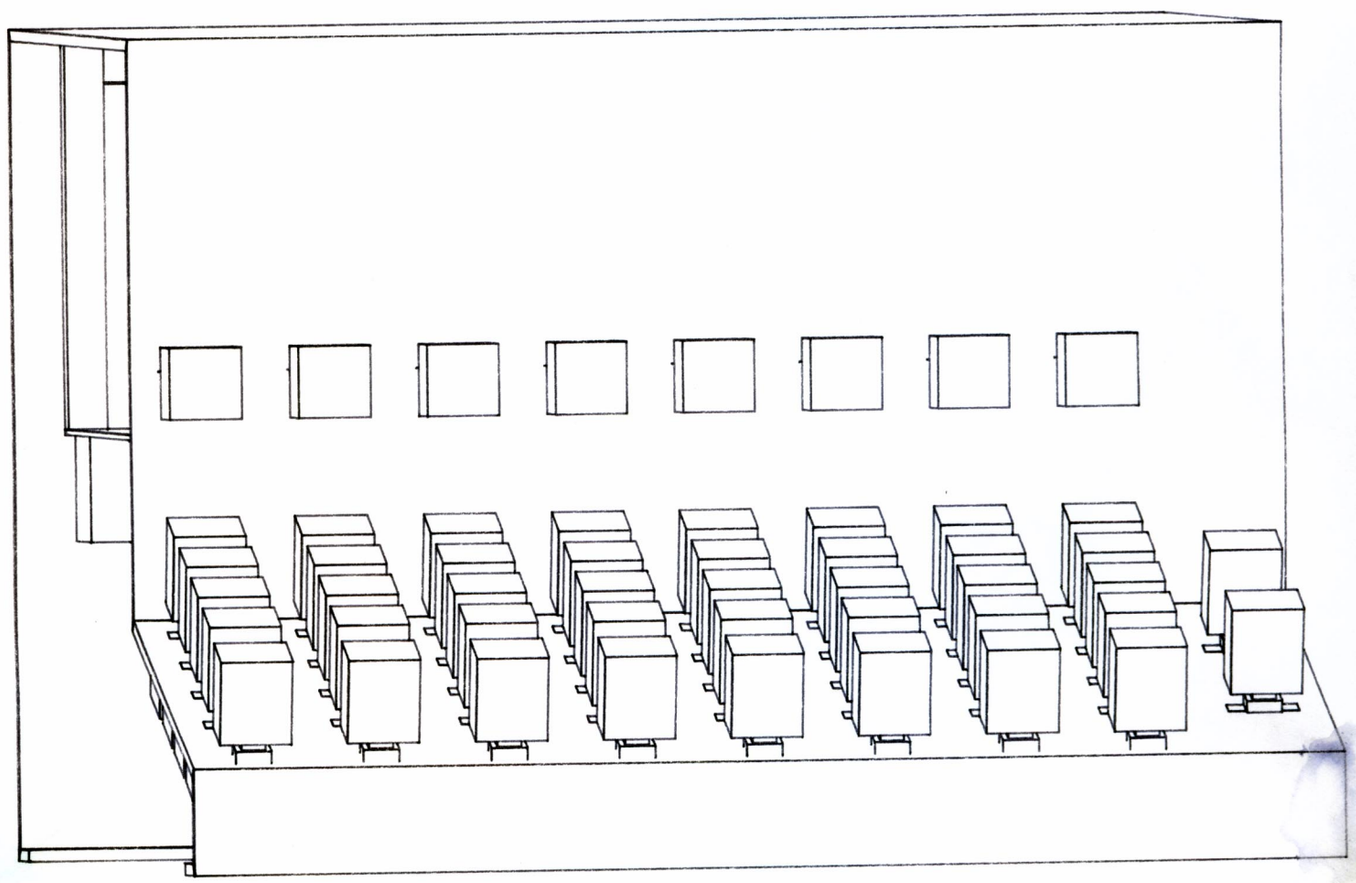
CL-1 Colorizer
Enclosure cover
Left side view


Designed
Enclosure cover
Left side view



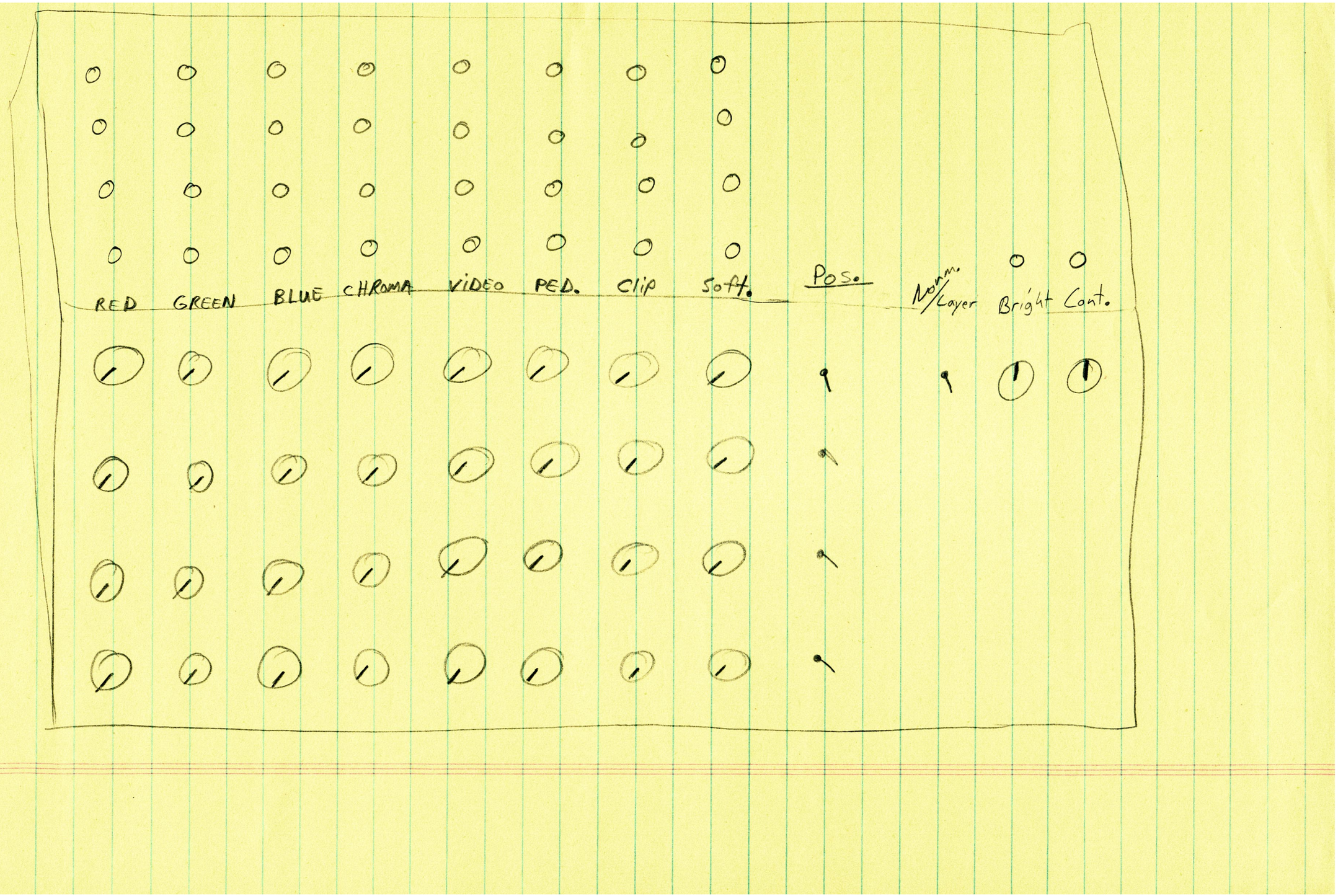
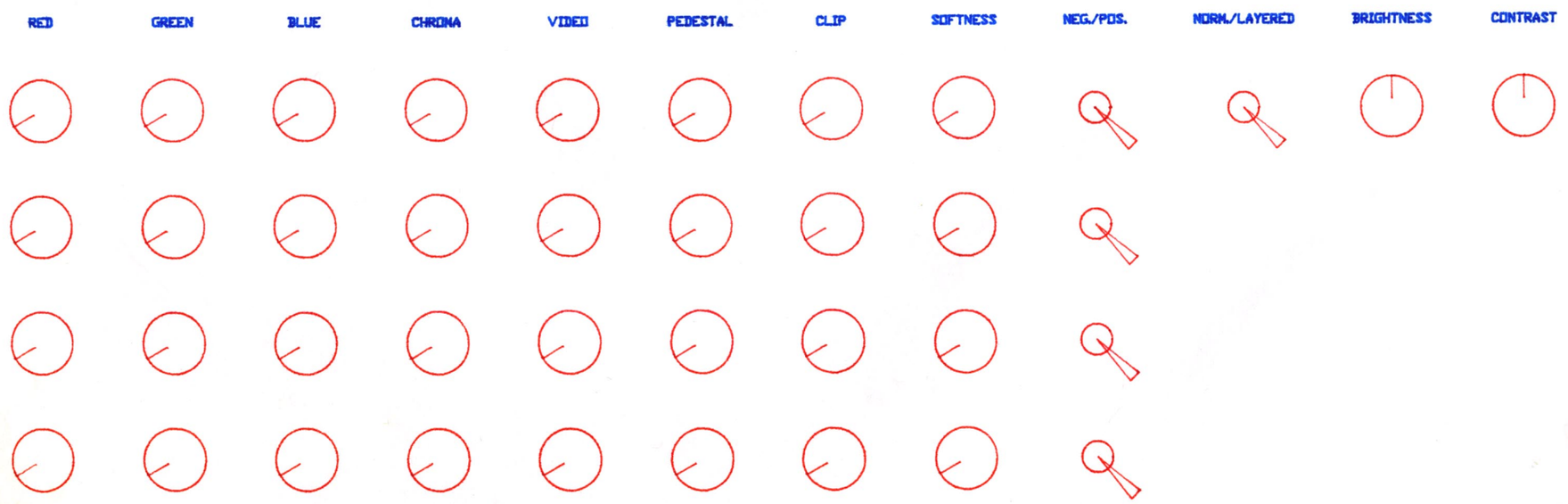
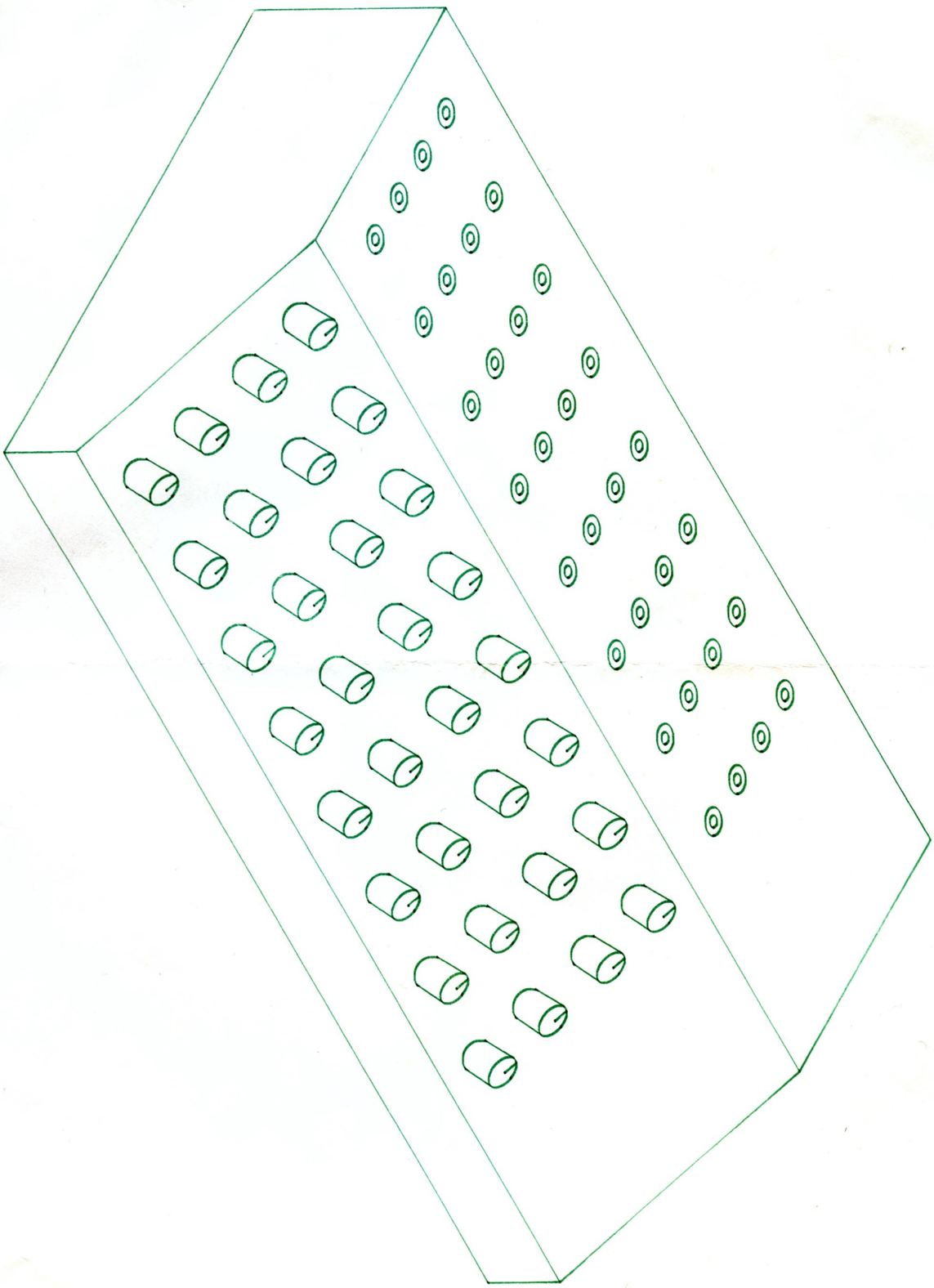
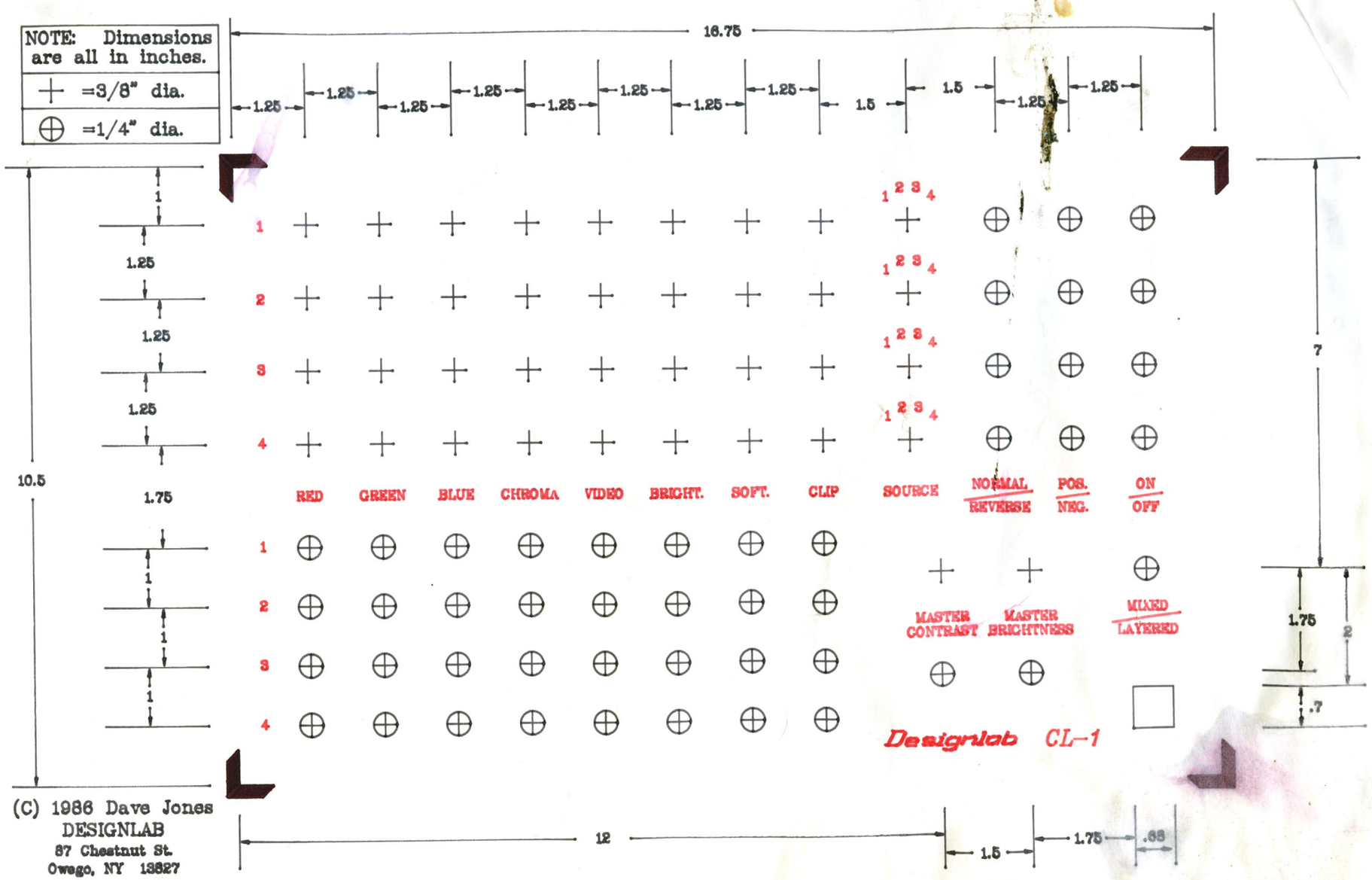
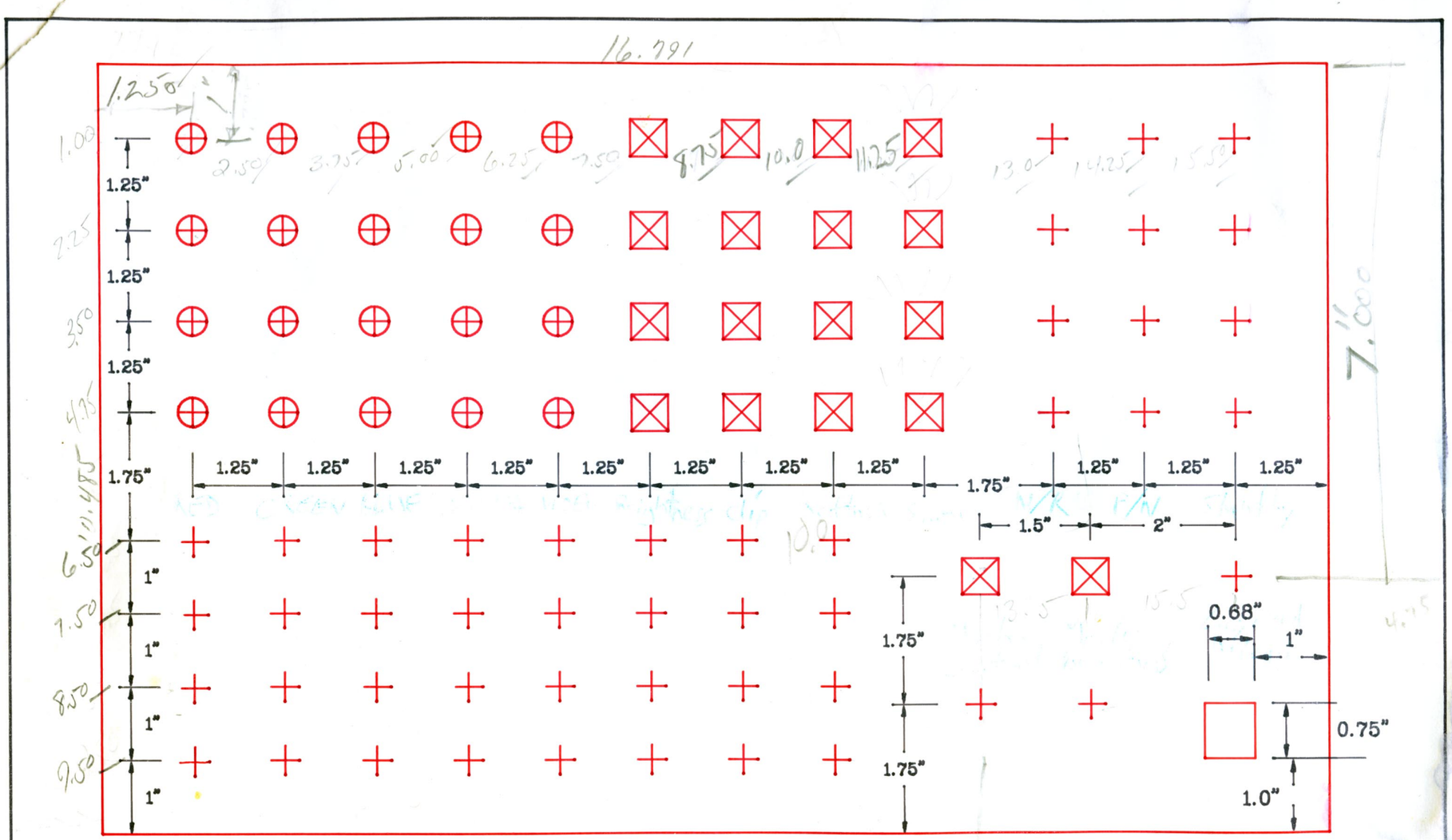

RED
GREEN
BLUE
CHROMA
VIDEO
PED.
CLIP
SOFT.
POS.
Norm./Layer
Bright
Cont.

Fig. 1


RED
GREEN
BLUE
CHROMA
VIDEO
PEDESTAL
CLIP
SOFTNESS
NEG./POS.
NORM./LAYERED
BRIGHTNESS
CONTRAST




NOTE: Dimensions are all in inches.
+ =3/8" dia.
⊕ =1/4" dia.
16.75
1.25
1.5
10.5
1.75
7
1.75
2
.7
12
.88
RED
GREEN
BLUE
CHROMA
VIDEO
BRIGHT.
SOFT.
CLIP
SOURCE
NORMAL / REVERSE
POS. / NEG.
ON / OFF
MASTER CONTRAST
MASTER BRIGHTNESS
MIXED / LAYERED
Designlab CL-1
(C) 1986 Dave Jones
DESIGNLAB
87 Chestnut St.
Owego, NY 13827



Panel is an LMB FB1050-17

Note:

= 0.250" Dia. Holes

= 0.318" Dia. Holes

= 0.375" Dia Holes

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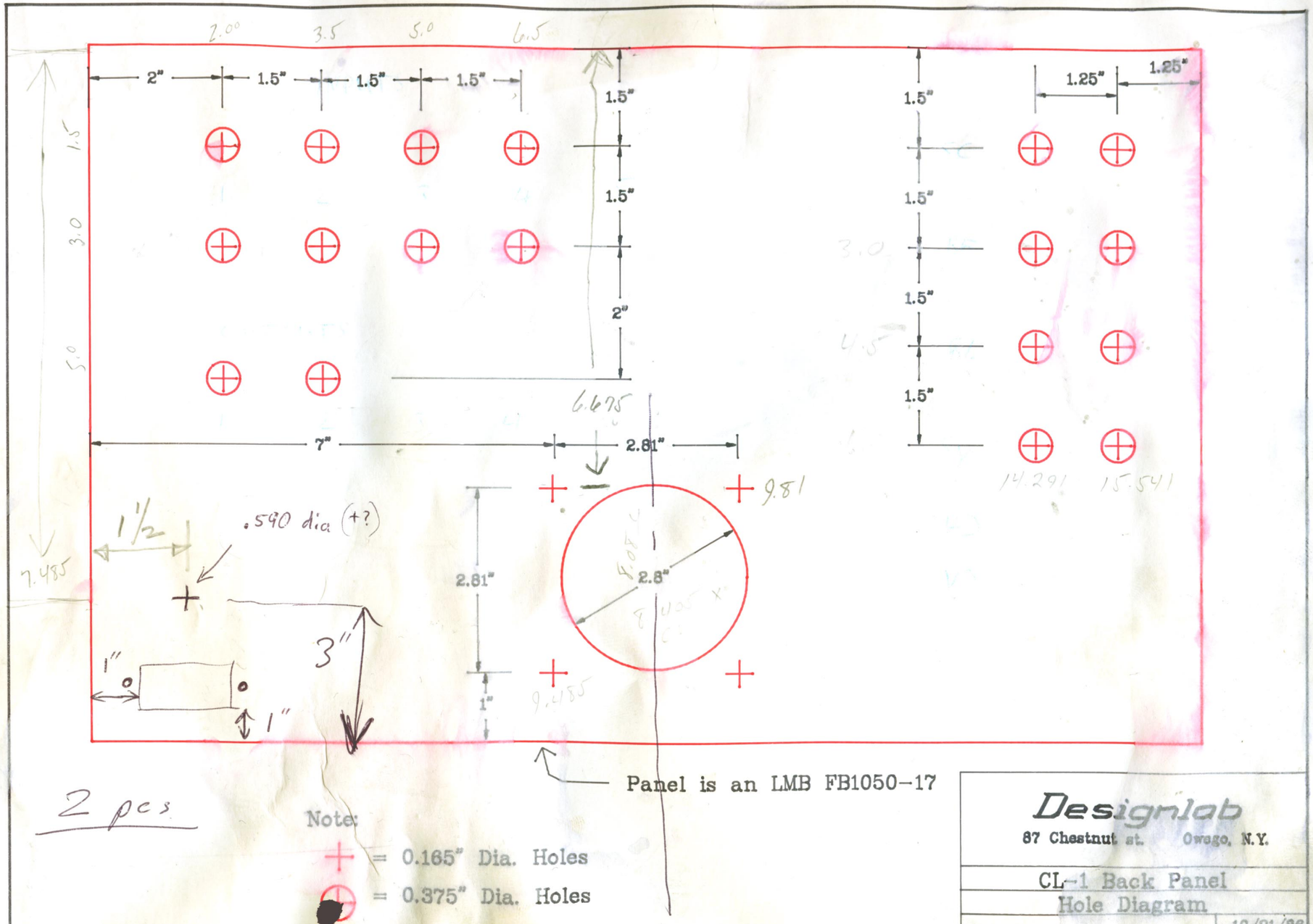
CL-1 Front Panel
Hole Diagram

10/21/86



2 pcs

Note:

+ = 0.165" Dia. Holes

⊕ = 0.375" Dia. Holes

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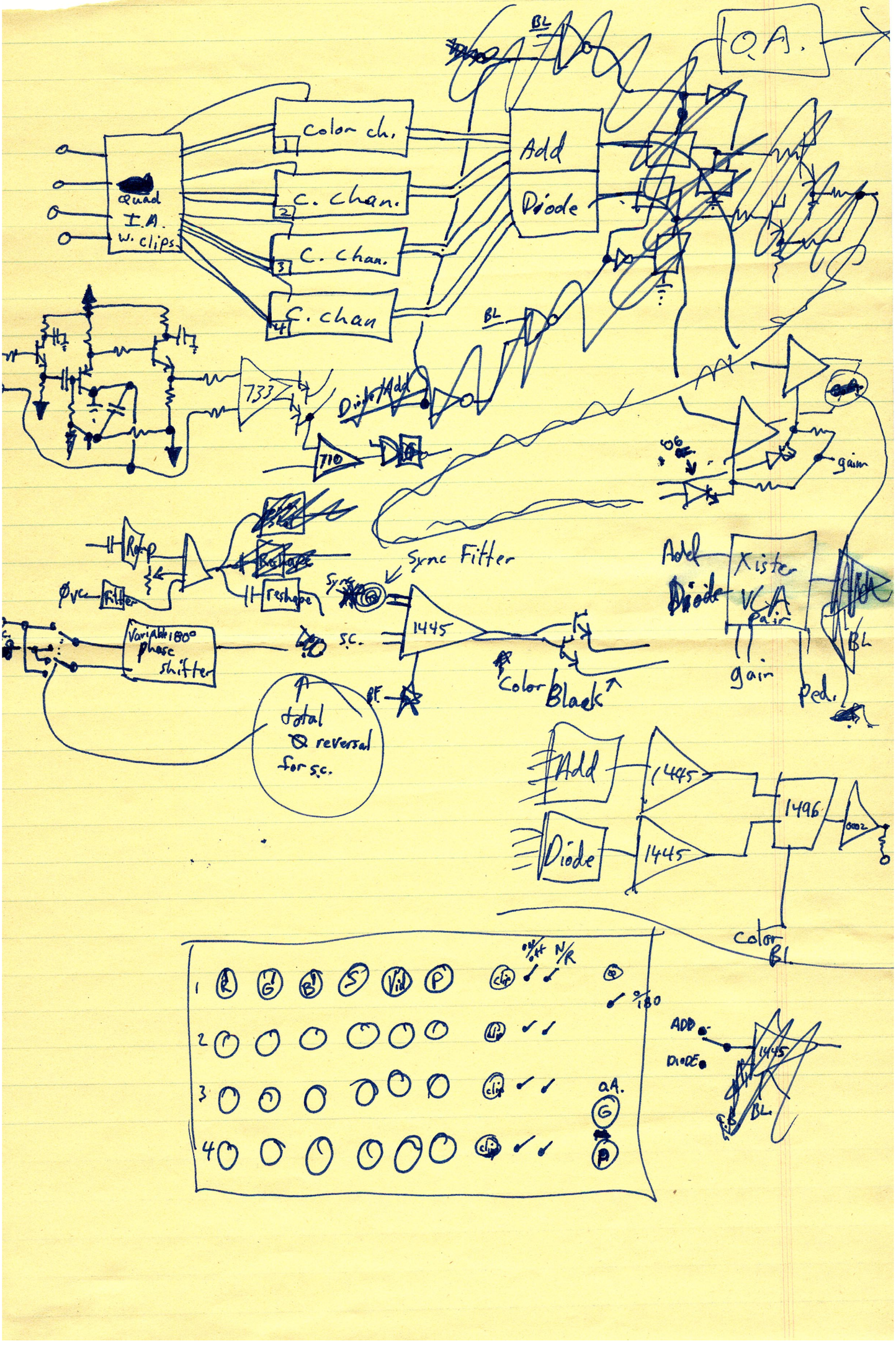
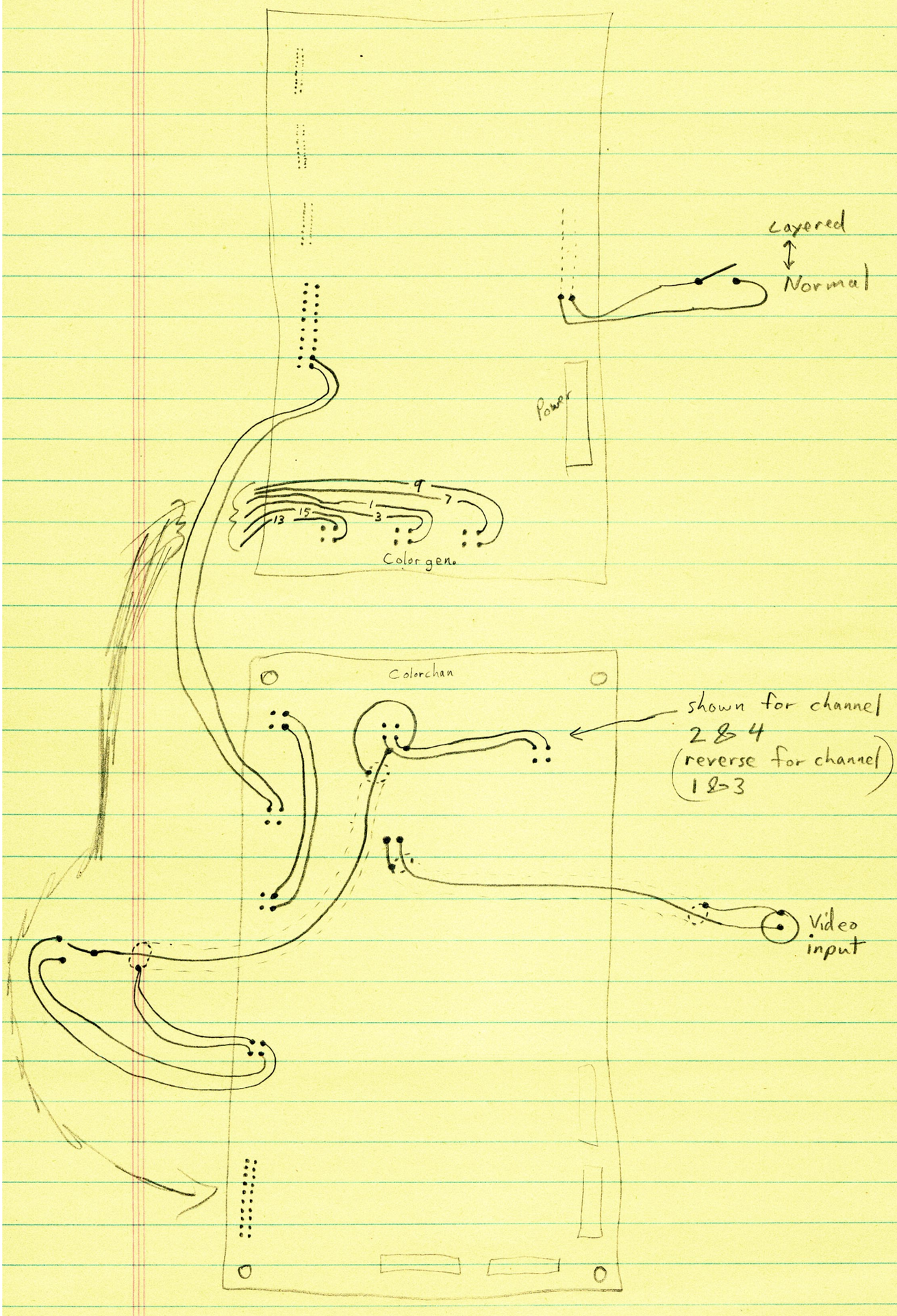
CL-1 Back Panel
Hole Diagram

10/21/86


Quad I.A. w. clips
Color ch.
C. chan.
C. chan.
C. chan
Add
Diode
O.A.
BL
733
710
Diode/Add
gain
Sync Fitter
Sync
1445
S.C.
Color
Black
Add
Diode
Xister V.A. pair
gain
Ped.
BL
Variable 180° phase shifter
total reversal for S.C.
1496
color BL
ADD
DIODE
1445
BL
O.A.


Layered
Normal
Power
9
7
1
3
15
13
Color gen.
Colorchan
shown for channel
2 & 4
(reverse for channel
1 & 3)
Video
input

1, 2	(-5)
3, 4	(+5)
5	Ped. pot
6	Ped. mini
7, 8	⏚
9	gain mini
10	gain pot
11	Sync
12	B.F.
13	⏚
14	BL
15	SC -
16	SC +
17	⏚ (out #1)
18	out #1
19	⏚ (out #2)
20	out #2

Ext Power

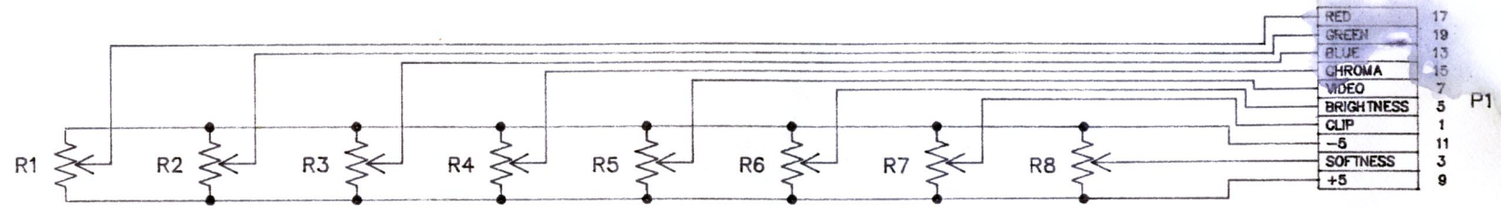
1	-16
2	-8
3	⏚
4	⏚
5	⏚
6	+16
7	+8
8	⏚

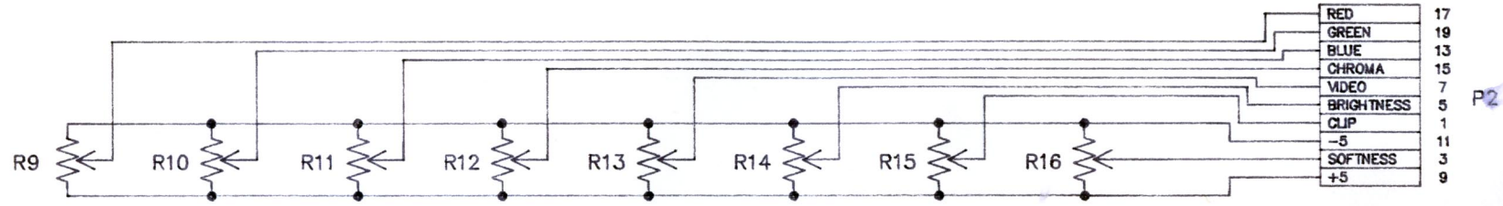
CL-1

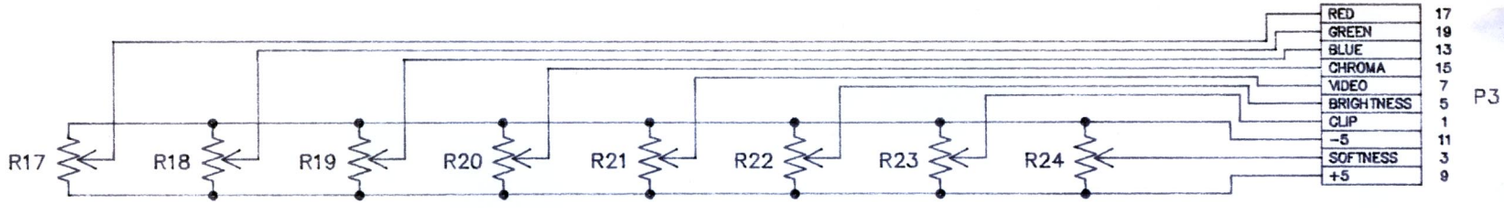
Output Amp:

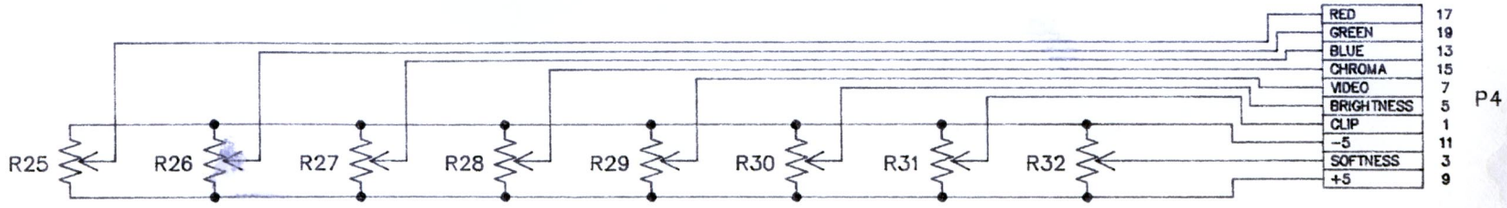
1. add 75 Ω for second output
2. add 8.2K offset on 2ND Video Amp
3. input resistors are 2K (No DC restore section)
4. put 2 regulators on (+5 & -5)
5. connector for unreg. power IN
6. connector for Master gain & ped controls
7.

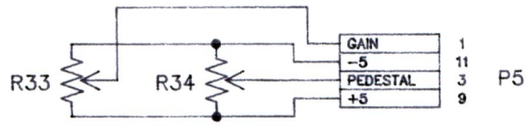
all potentiometers are 10k linear.











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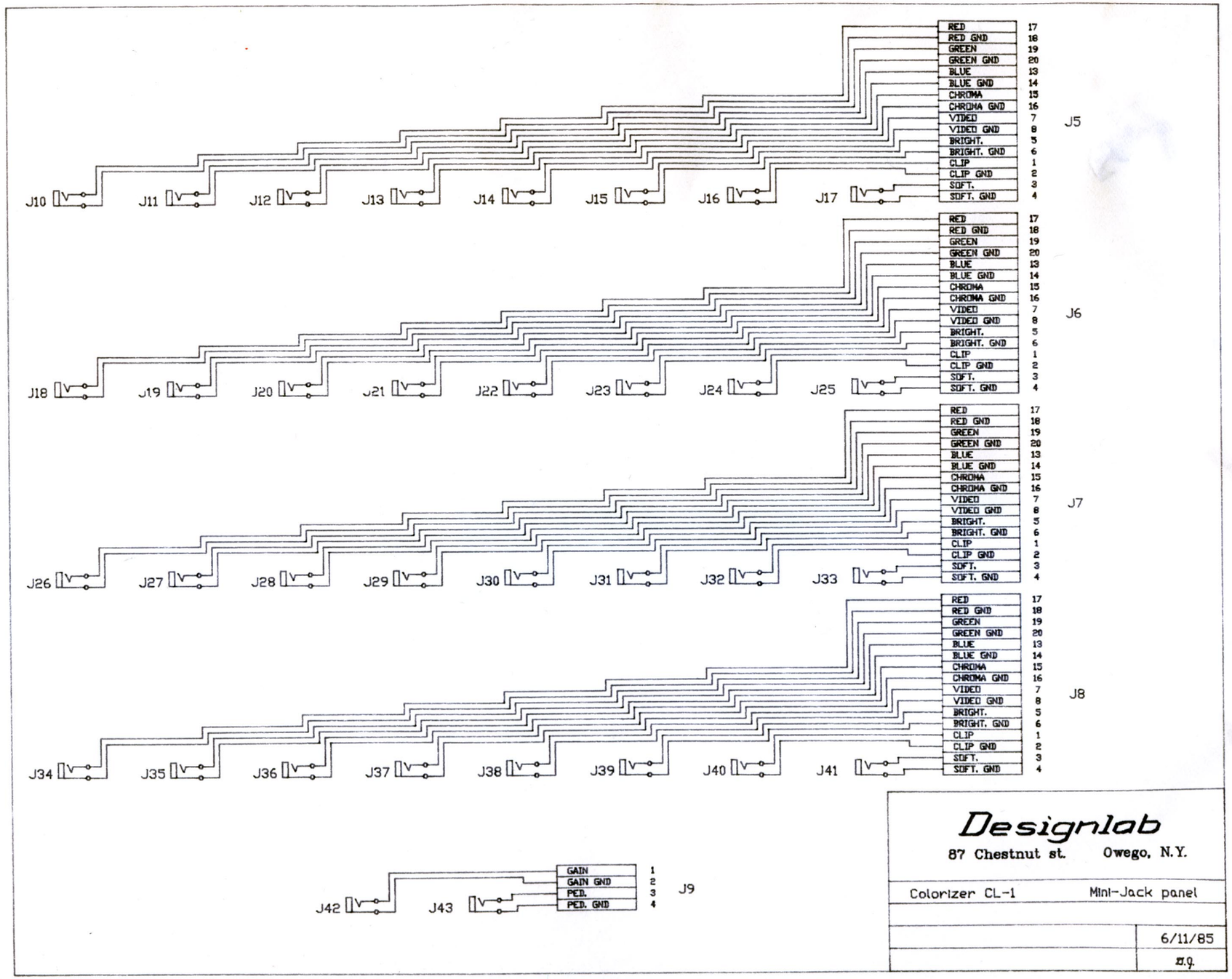
Colorizer CL-1 Control panel (P.C. board version)	
	6/11/85
	D.Q.



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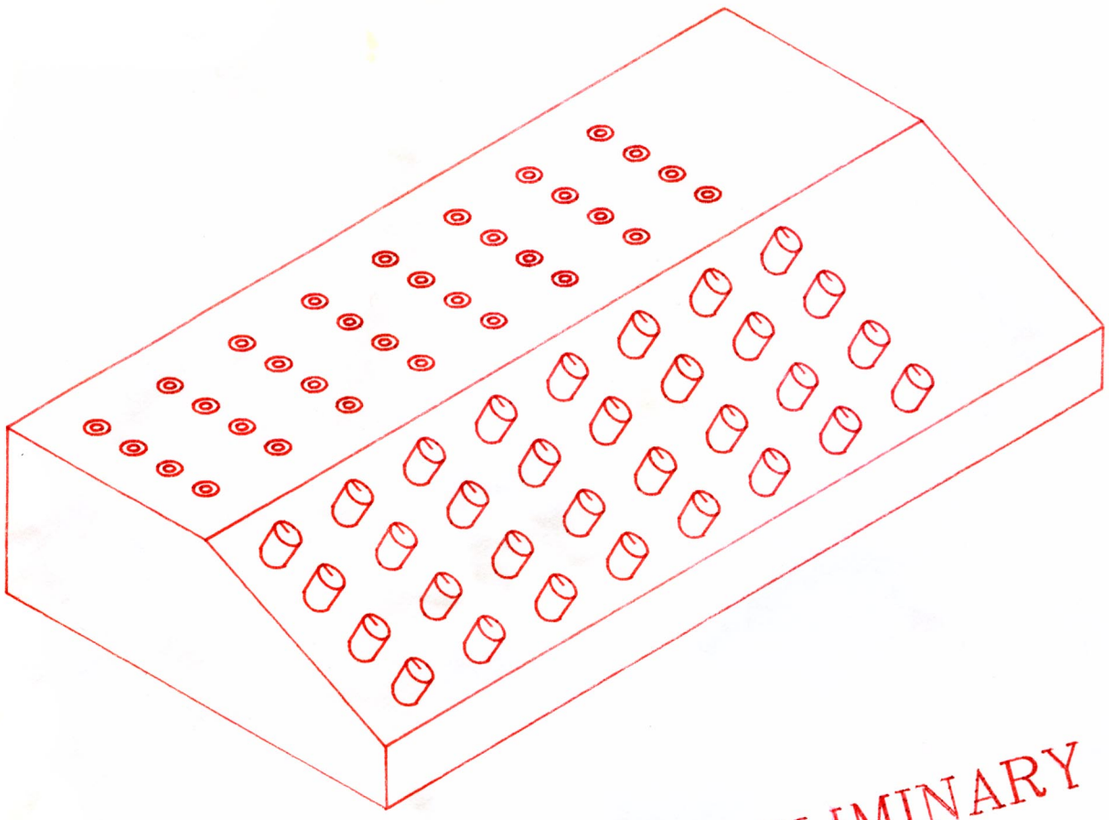
Colorizer CL-1	Mini-Jack panel
	6/11/85
	M.G.



PRELIMINARY

CL-1

Voltage Controllable Colorizer

Features:

- A style switch to choose between the two styles of mixing.
- Master contrast and brightness controls.
- Four identical channels that each have:
  - Red, green and blue color controls.
  - Chroma control to set the richness of the color.
  - Video control to mix an external video signal with the color.
  - A brightness control.
  - Clip control and softness control that are used to choose areas in the image and fade them to black.
  - A positive/negative switch for the external video.
  - Normal/reverse switch for the clip control.

CL-1 Colorizer

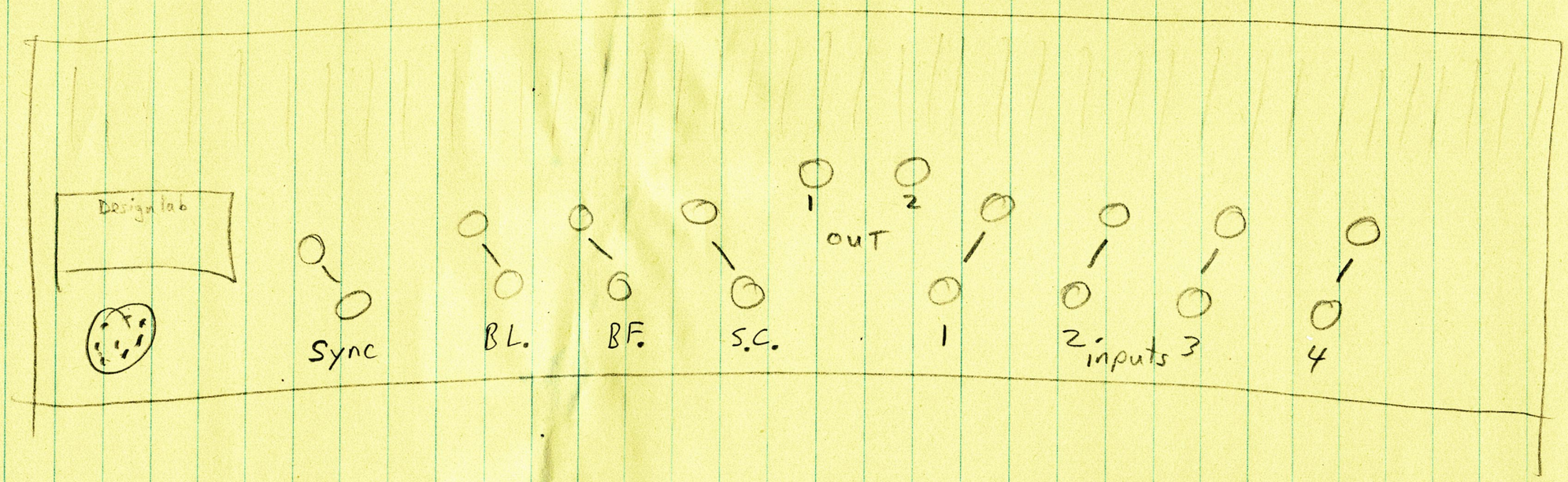
Introduction:

The CL-1 Colorizer is a 4-channel colorizer with a soft-edge keying system built in. ~~The keying section does not function like a normal Keyer (see section ____ for more information).~~

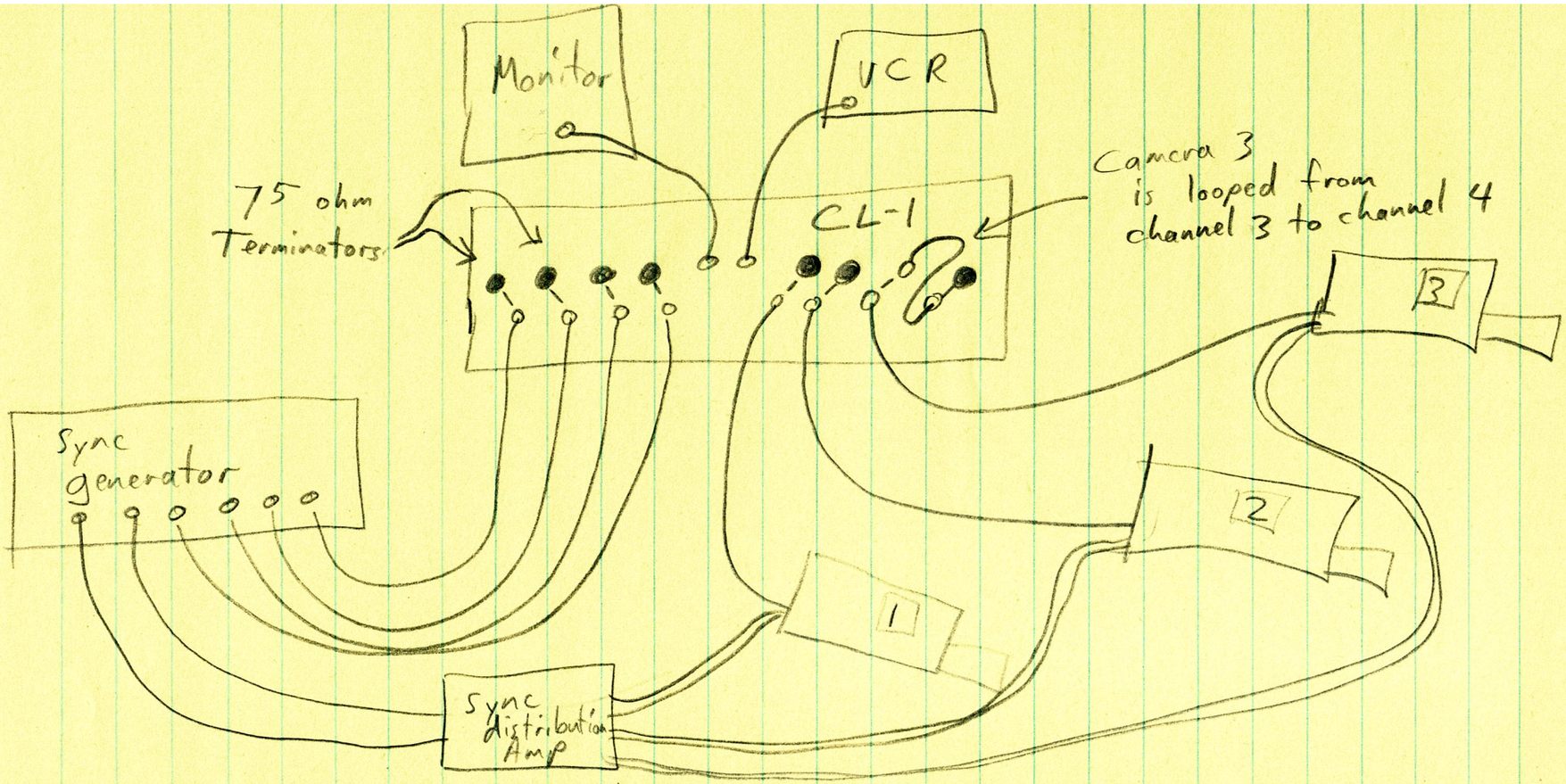
There are four identical channels that each have a color and video mixing sections ~~a video mixer~~ and a keying section. ~~Each of the channels~~

The four channels mix together in a ~~unique special type o~~ dual purpose mixer that is switchable between a simple blend of the 4 channels and a unique "layered mix". After the mixer, the signal goes through an "output AMP" that turns the signal into an NTSC type video signal. The output amp also provides master contrast and brightness controls for the colorizer.

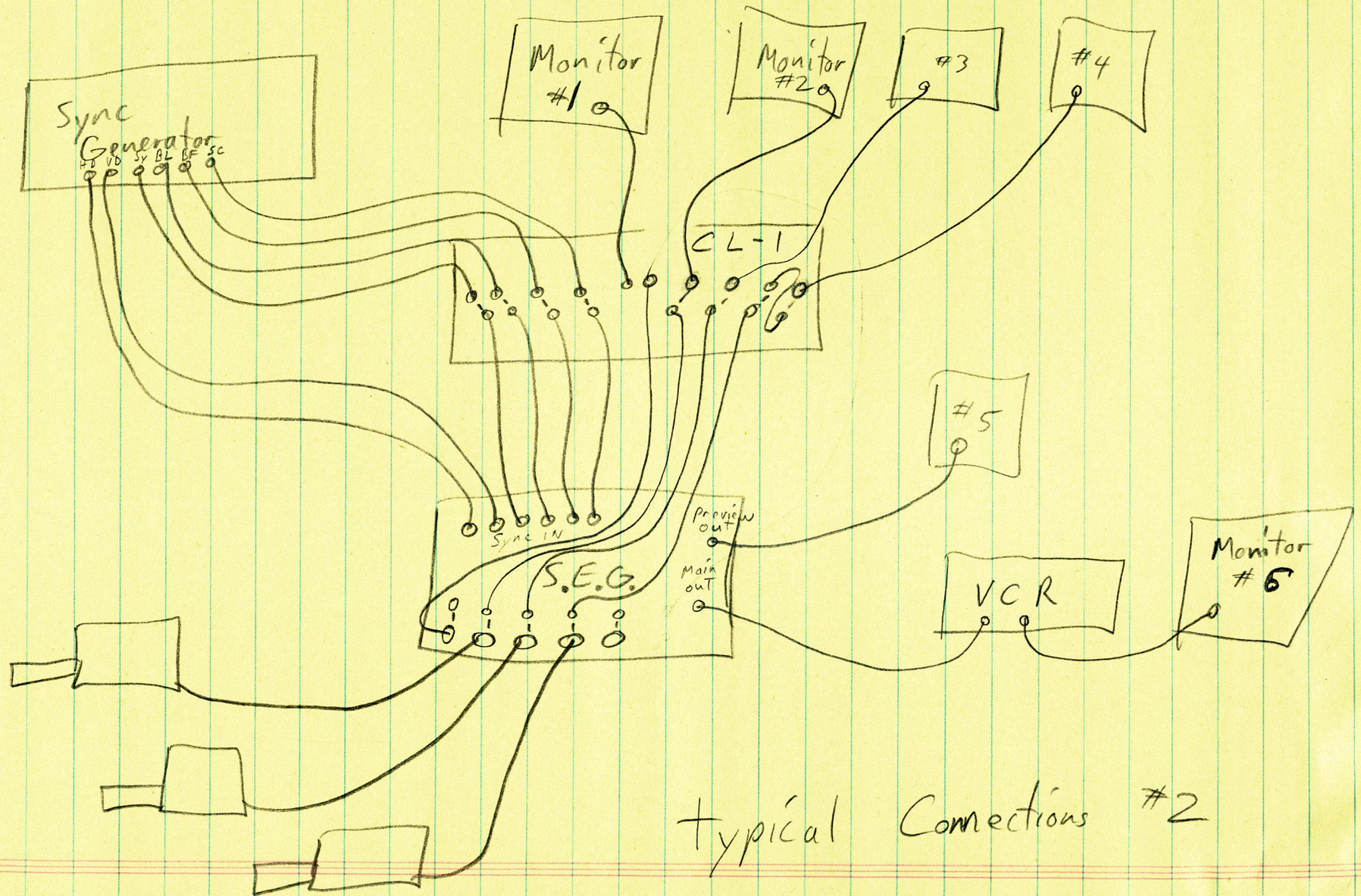
CL-1 Back Panel



CONTRAST
BRIGHTNESS



Typical connections #1



typical Comections #2